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1. AGENCY USE ONLY (Leave blank)		2. REPORT DATE 18 January 2000	3. REPORT TYPE AND DATES COVERED Final 1 February 1998-30 November 1998
4. TITLE AND SUBTITLE Radiative Processes and Dephasing in Semiconductors			5. FUNDING NUMBERS F49620-98-1-0215
6. AUTHOR(S) David S. Citrin			
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Office of Grants and Research Development Washington State University Pullman, WA 99164			8. PERFORMING ORGANIZATION REPORT NUMBER 2464-0297
9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES) AFOSR/NE 801 North Randolph Street, Room 732 Arlington, VA 22203-1977			10. SPONSORING / MONITORING AGENCY REPORT NUMBER

~~DISTRIBUTION STATEMENT A~~
~~AVAILABILITY STATEMENT~~

<p>12a. DISTRIBUTION / AVAILABILITY STATEMENT</p> <p>Approved for Public Release Distribution Unlimited</p>	<p>12b. DISTRIBUTION CODE</p>
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<p>13. ABSTRACT <i>(Maxim)</i> A workshop was held in Coeur d'Alene, Idaho, 2-4 February 1998 as an Optical Society of America Topical Meeting. The research areas covered by the workshop roughly fell under the heading of ultrafast and coherent nonlinear optical properties of semiconductors; nevertheless, a number of speakers from other fields presented papers at the conference in order to stimulate cross-disciplinary discussion. Approximately thirty papers were presented, and a proceedings was published by the Optical Society of America as a volume in their Trends in Optics and Photonics series. AFOSR funds supported the travel and local expenses of eight invited speakers.</p>			
<p>14. SUBJECT TERMS</p>			<p>15. NUMBER OF PAGES 2</p>
<p>16. PRICE CODE</p>			
<p>17. SECURITY CLASSIFICATION OF REPORT none</p>	<p>18. SECURITY CLASSIFICATION OF THIS PAGE none</p>	<p>19. SECURITY CLASSIFICATION OF ABSTRACT none</p>	<p>20. LIMITATION OF ABSTRACT</p>

Radiative Processes and Dephasing in Semiconductors

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Abstract

A workshop was held in Coeur d'Alene, Idaho, 2-4 February 1998 as an Optical Society of America Topical Meeting. The research areas covered by the workshop roughly fell under the heading of ultrafast and coherent nonlinear optical properties of semiconductors; nevertheless, a number of speakers from other fields presented papers at the conference in order to stimulate cross-disciplinary discussion. Approximately thirty papers were presented, and a proceedings was published by the Optical Society of America as a volume in their Trends in Optics and Photonics series. AFOSR funds supported the travel and local expenses of eight invited speakers.

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The Optical Society of America (OSA) Topical Meeting "Radiative Processes and Dephasing in Semiconductors" was held 2-4 February 1998 in Coeur d'Alene, Idaho. The meeting was chaired by the PI Prof. David S. Citrin of the Department of Physics at Washington State University. The main topics of the meeting were ultrafast and coherent nonlinear optical phenomena in semiconductors. In addition, far-infrared phenomena were highlighted. The meeting also included several speakers from related areas, such as quantum computing and laser cooling. This was done to promote cross-disciplinary discussion.

Thirty talks were presented, eight of which were invited speakers whose partial travel and local expenses were supported by this grant. Those supported were

Prof. David Awschalom, UC-Santa Barbara, \$ 400.00

Dr. Maxine Ben Dahan, Ecole Polytechnique, France, \$ 200.00

Dr. David DiVincenzo, IBM, \$ 400.00

Dr. Daniel Gammon, Naval Research Laboratory, \$ 400.00

Prof. Shaul Mukamel, University of Rochester, \$ 400.00

Prof. Ilias E. Perakis, Vanderbilt University, \$ 563.05

Dr. Taco Portengen, UC-San Diego, \$ 465.48

Prof. X.-C. Zhang, Renssaeler Polytechnique Institute, \$ 865.75

for a total of \$ 3694.28. The amount of \$ 1305.72 was unspent, and returned to AFOSR.

A proceedings of the meeting was published as volume XVIII of the Trends in Optics and Photonics (TOPS) series by the OSA; a copy is attached to the report. This volume was edited by the PI.